



Retail Motor-Fuel Dispensers & Consoles

Chapter 3

Figure 3-1. Automatic Check Valve

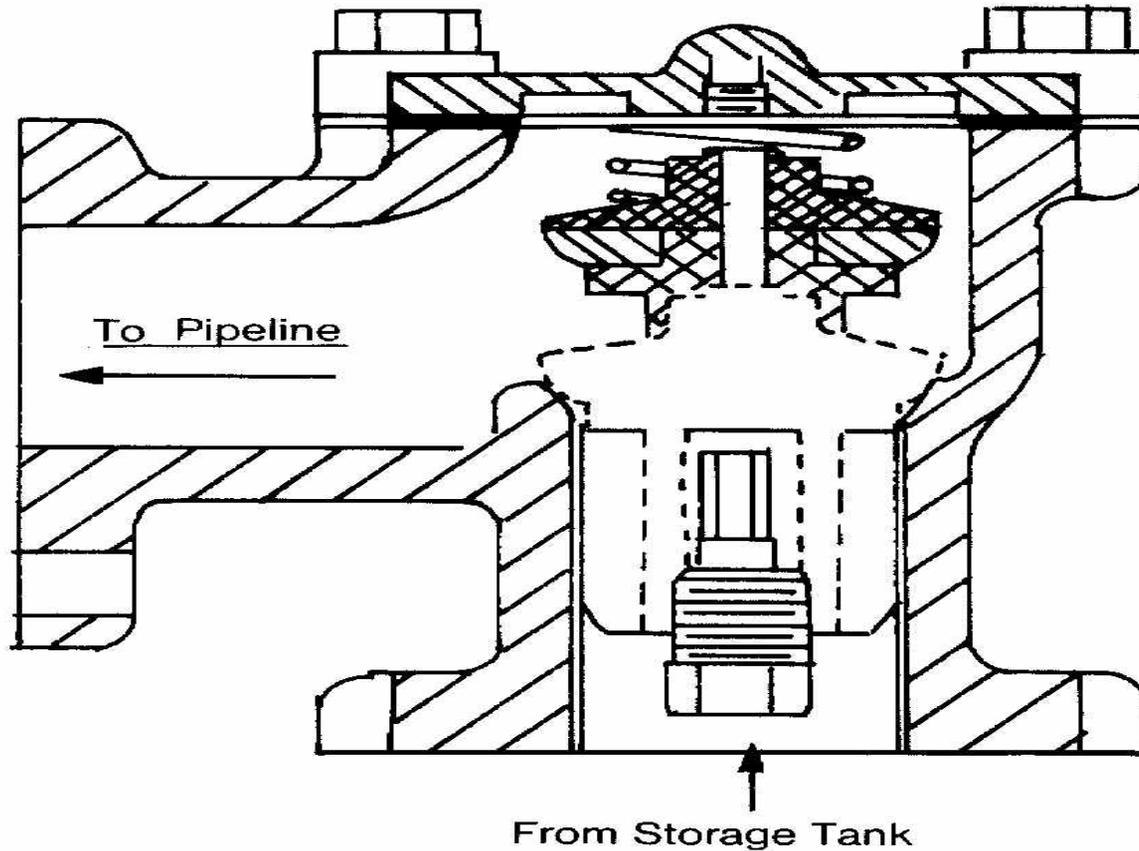


Figure 3-2. Location of System Check Valves

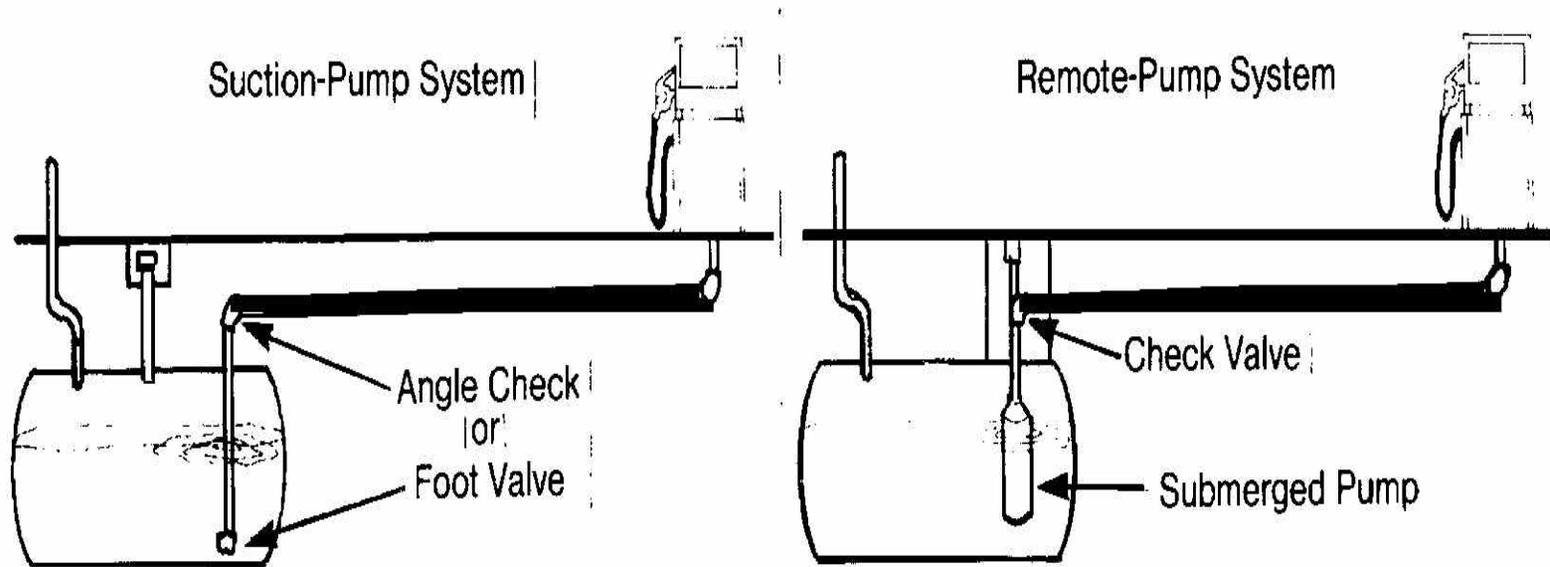


Figure 3-3. Self Contained Unit and Motor

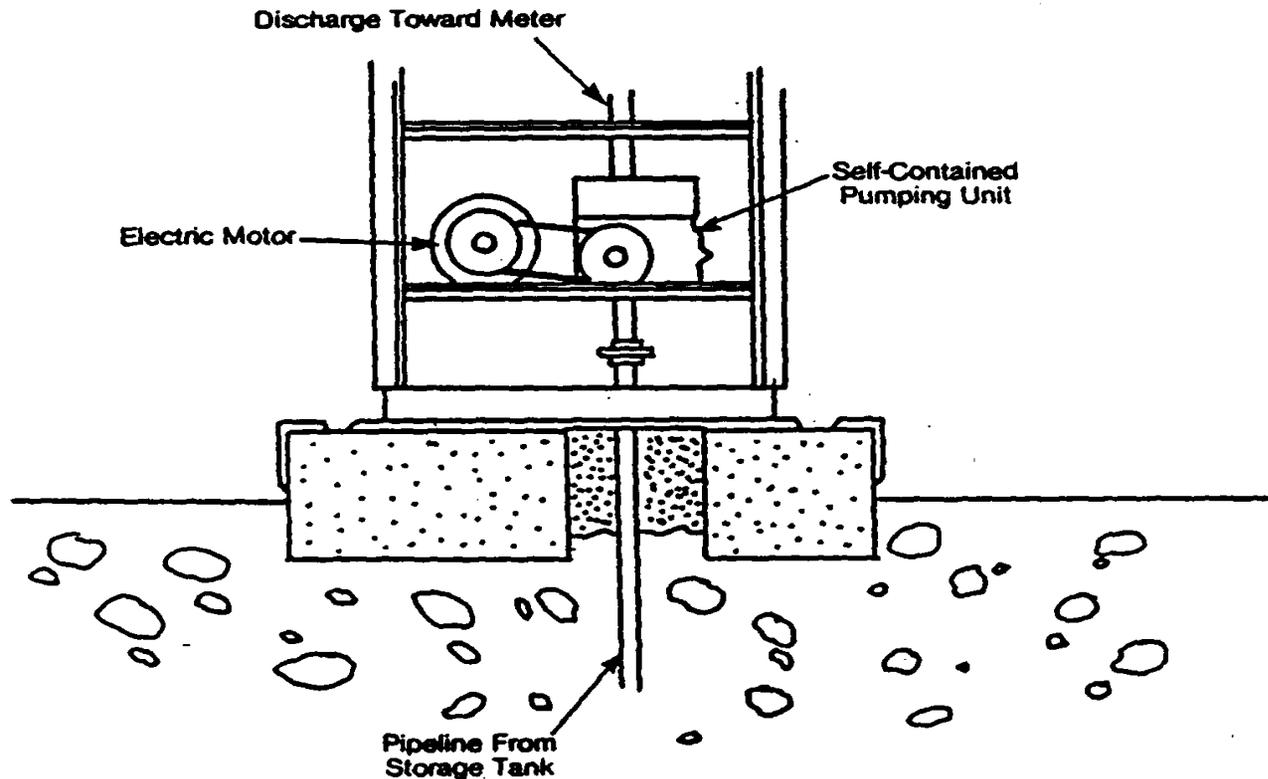
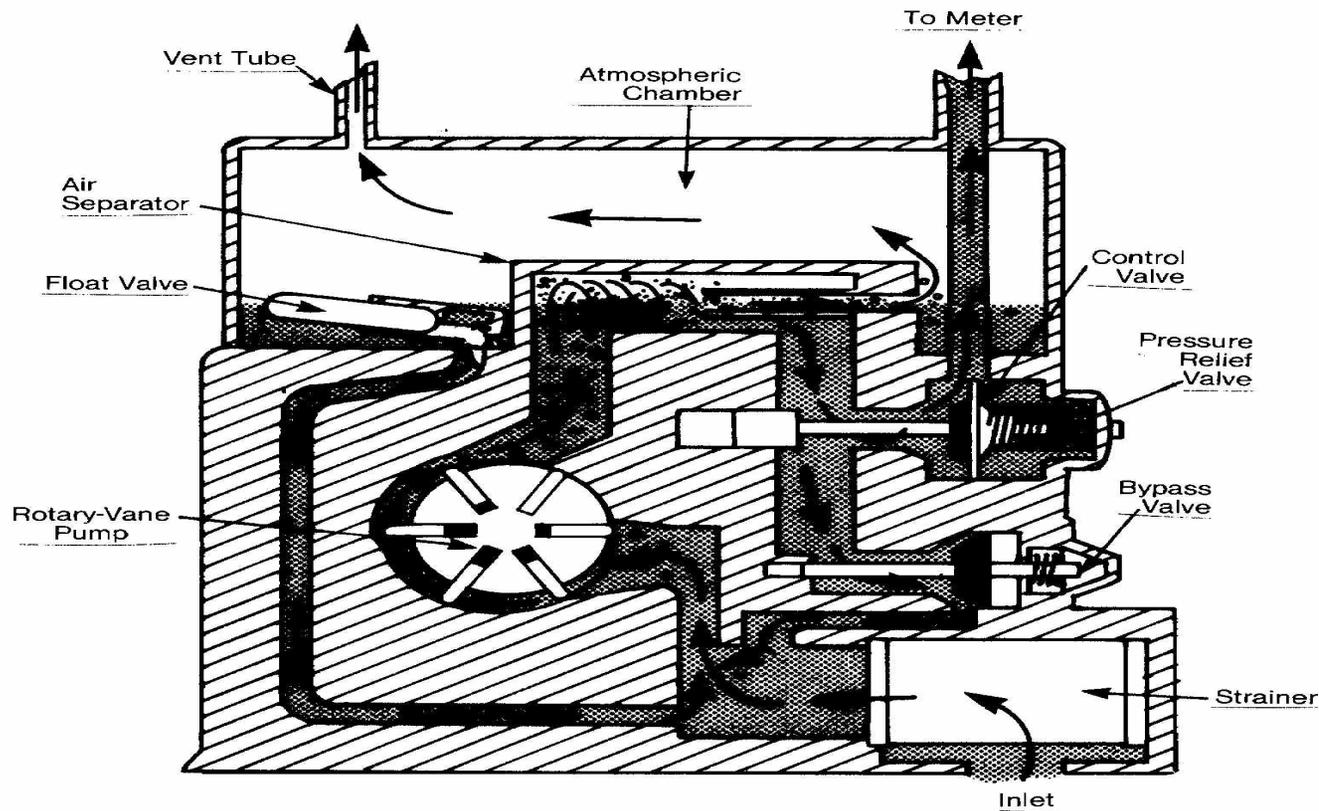
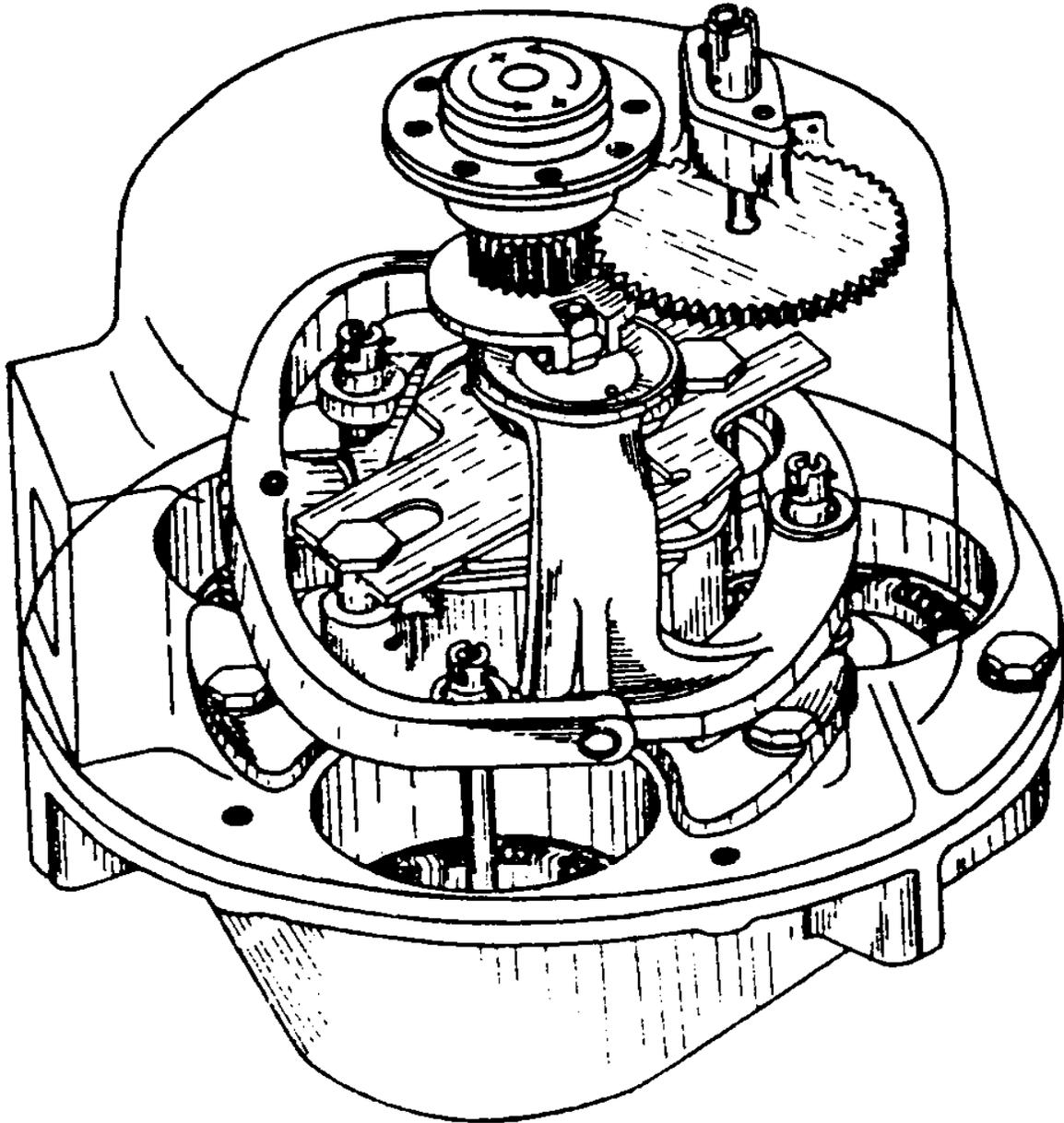
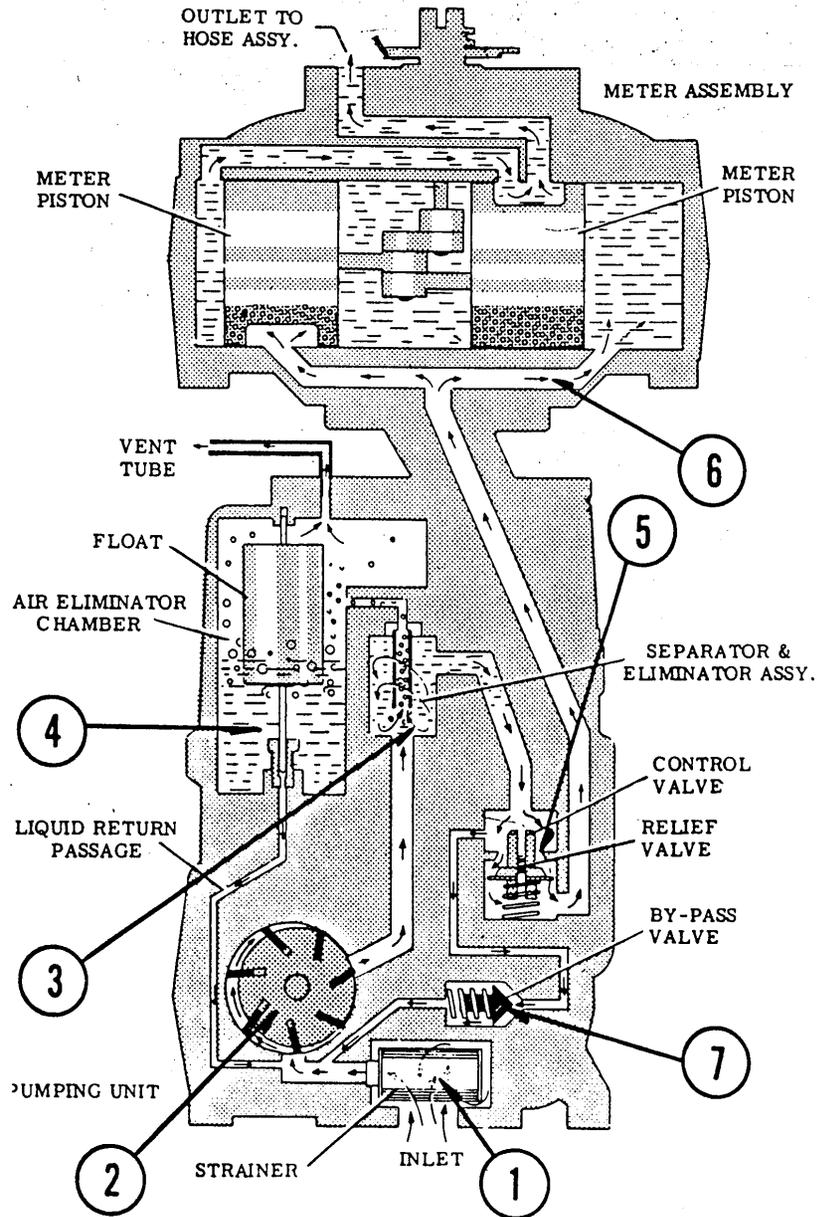


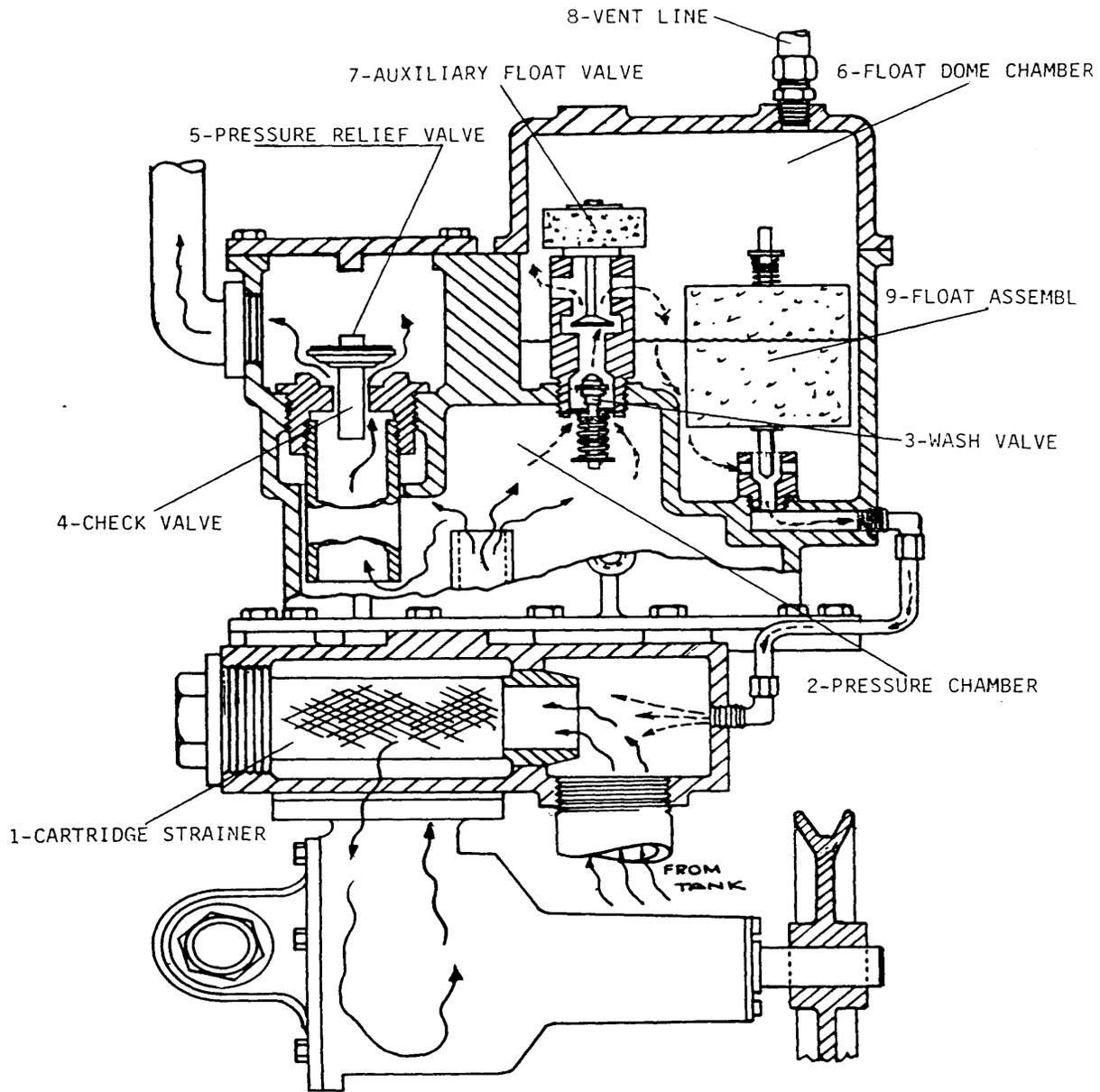
Figure 3-4. Cutaway of Typical Self-Contained Pumping Unit

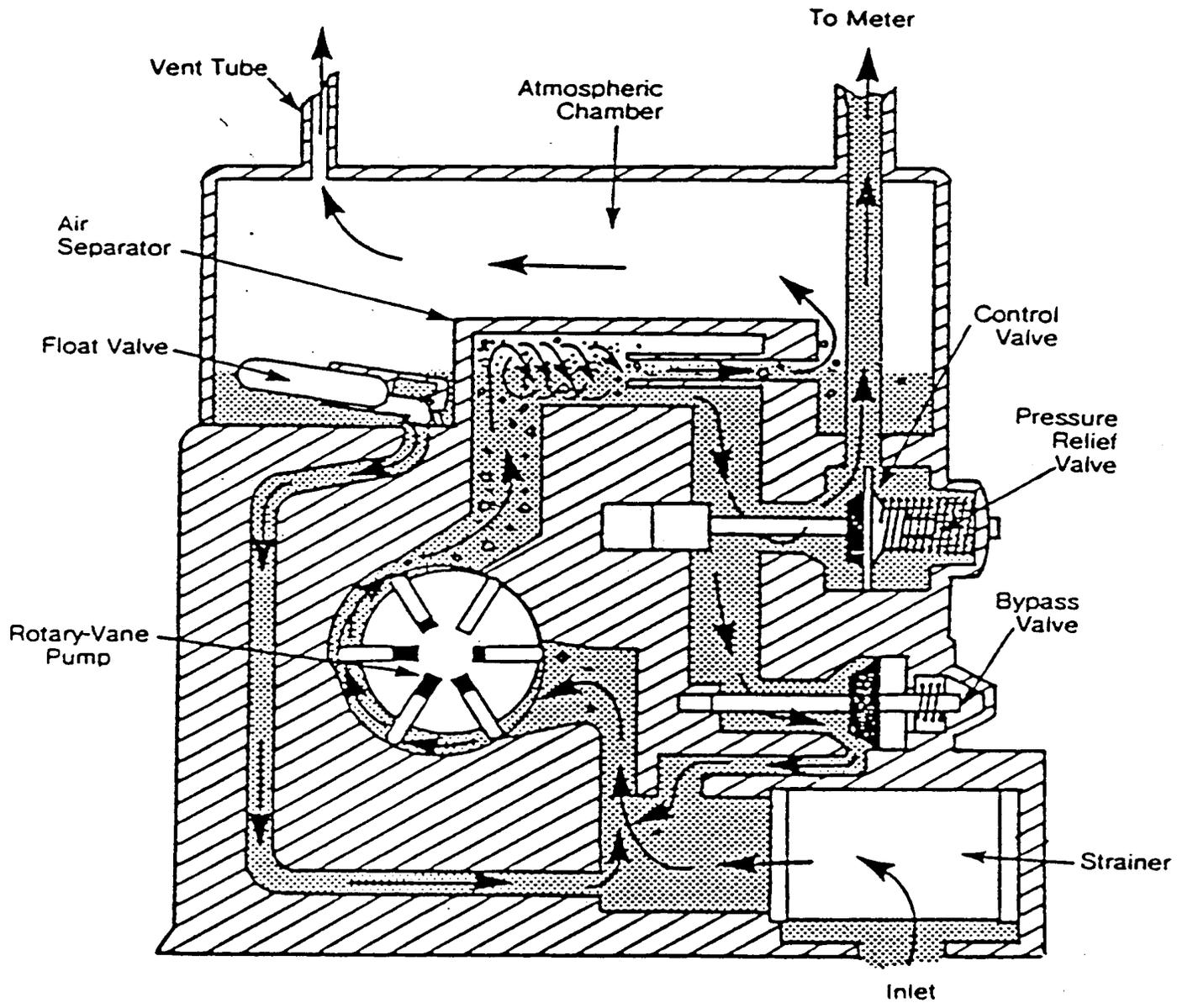






SCHEMATIC FLOW DIAGRAM





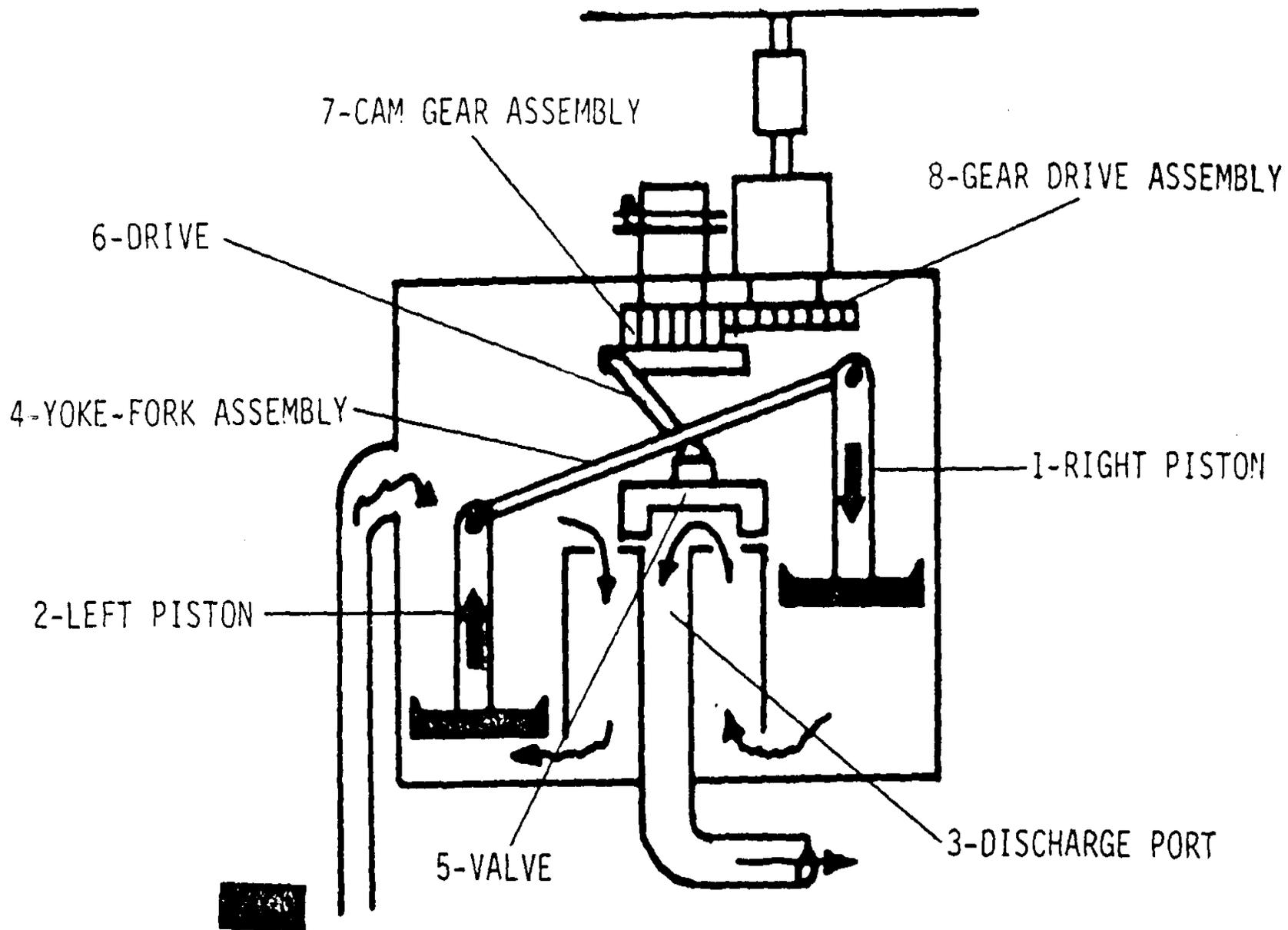


Figure 3-5. Submerge Pump and Discharge Head

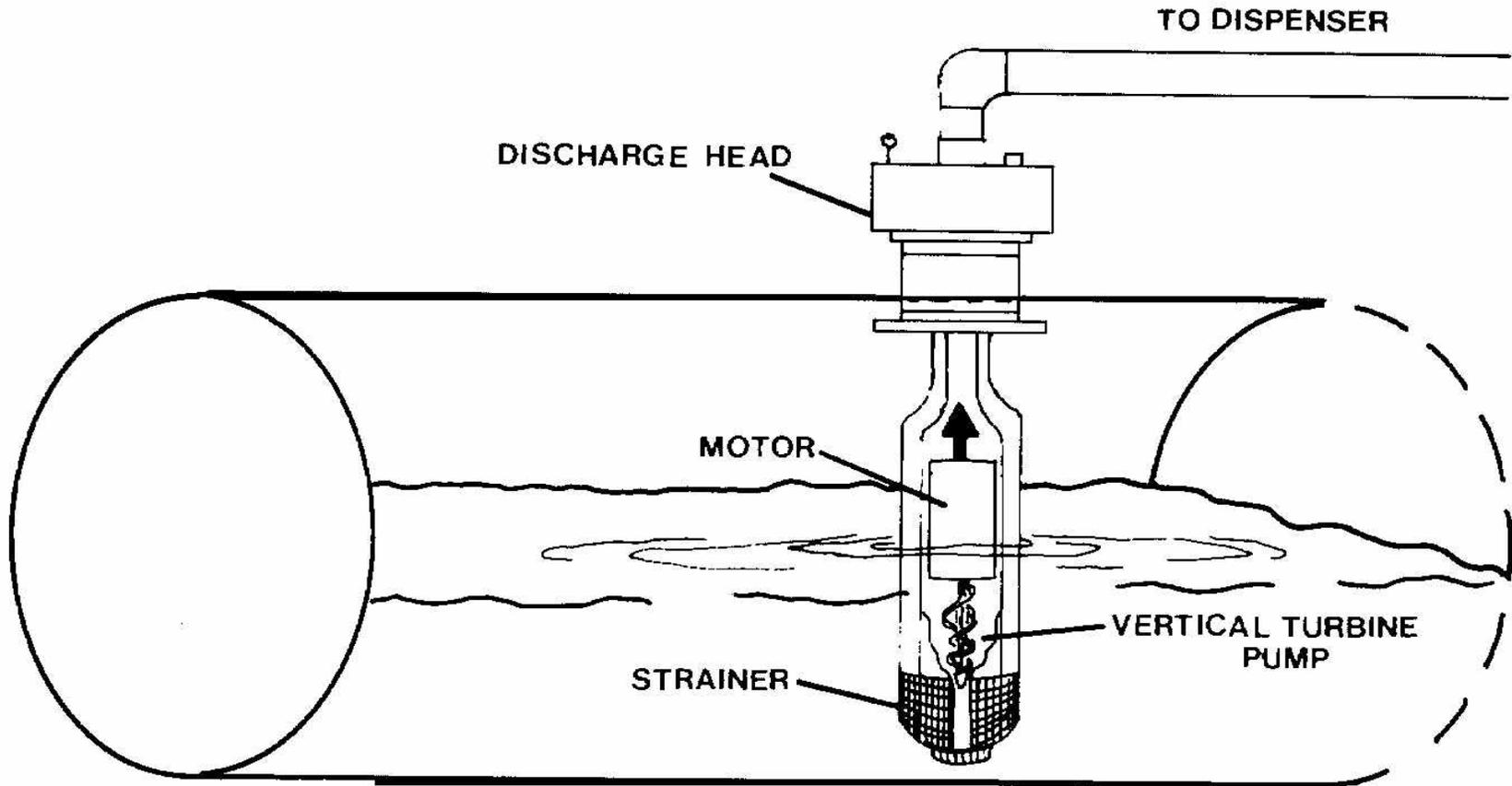


Figure 3-6. Remote-Dispenser Control Valve

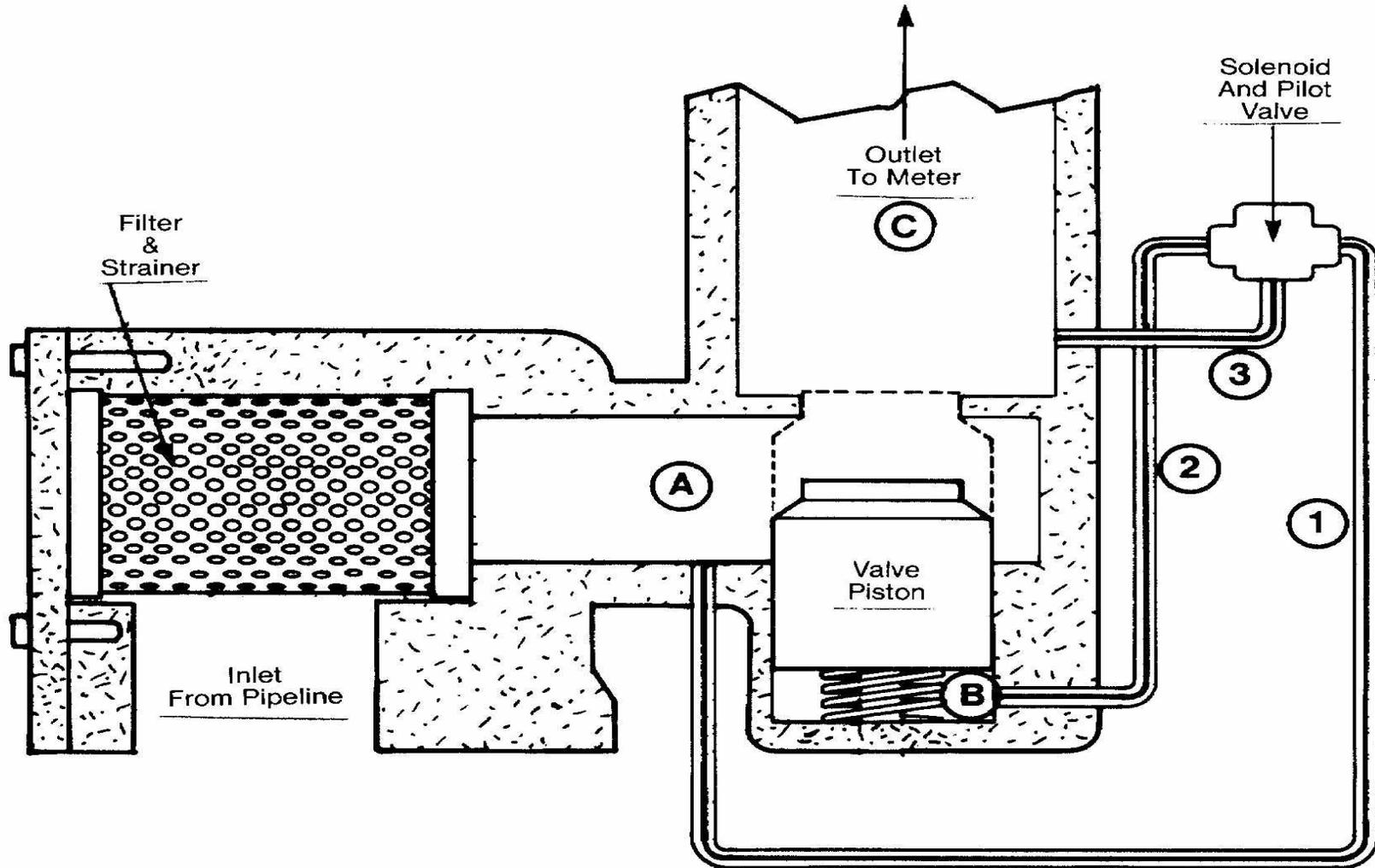


Figure 3-7. Remote System Emergency Shut-Off (Impact or Fire) Valve

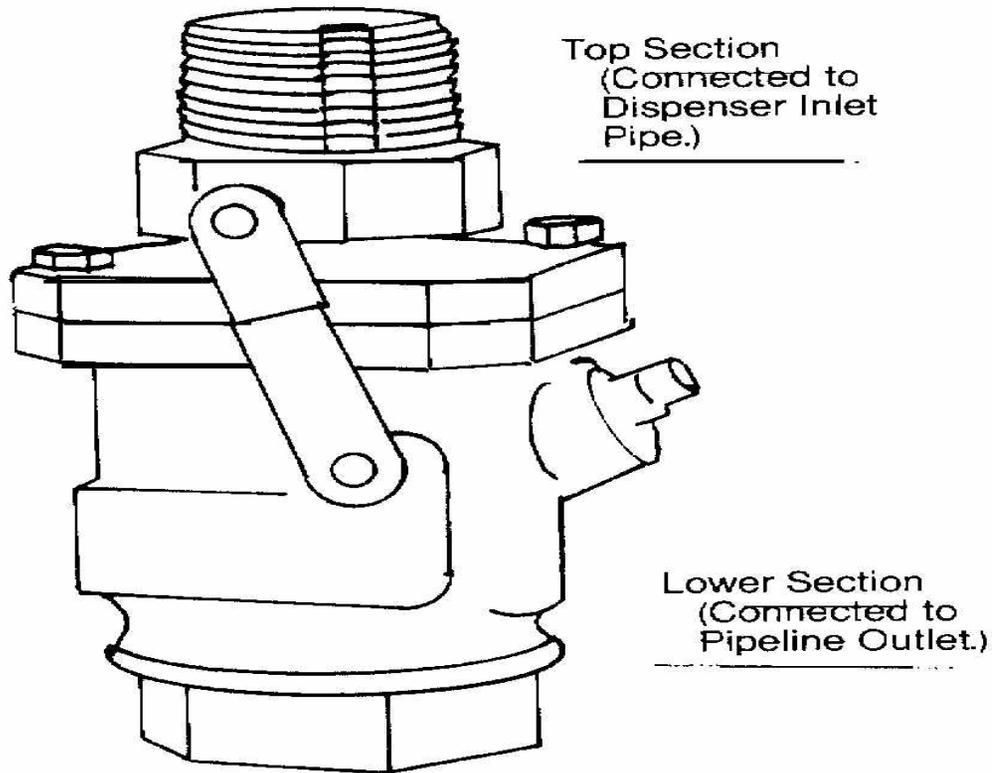


Figure 3-8. Typical Positive Displacement Meter

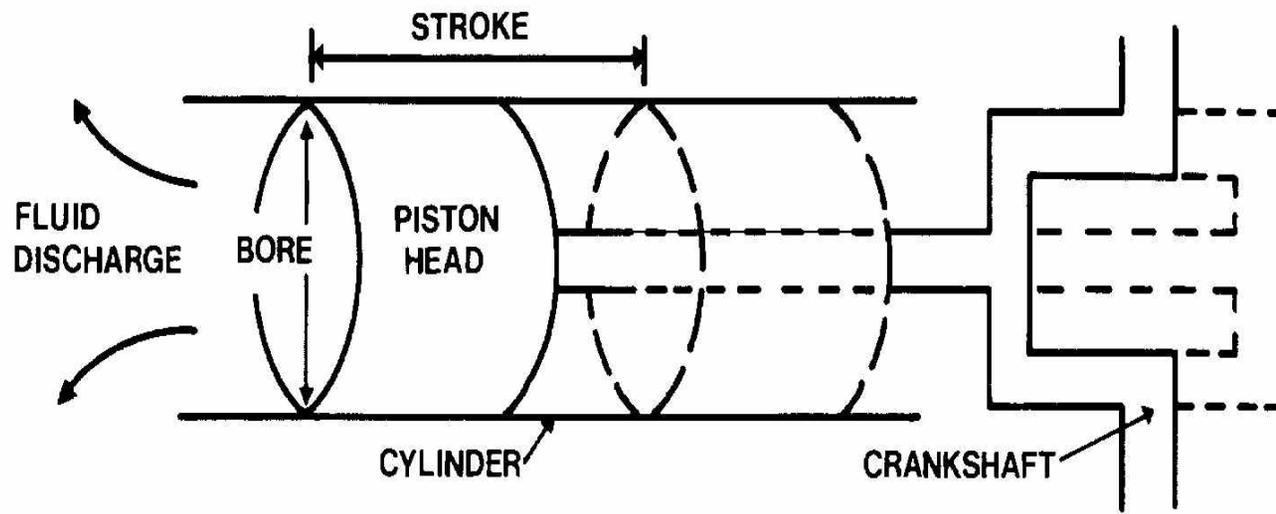


Figure 3-9. Typical Meter Adjuster

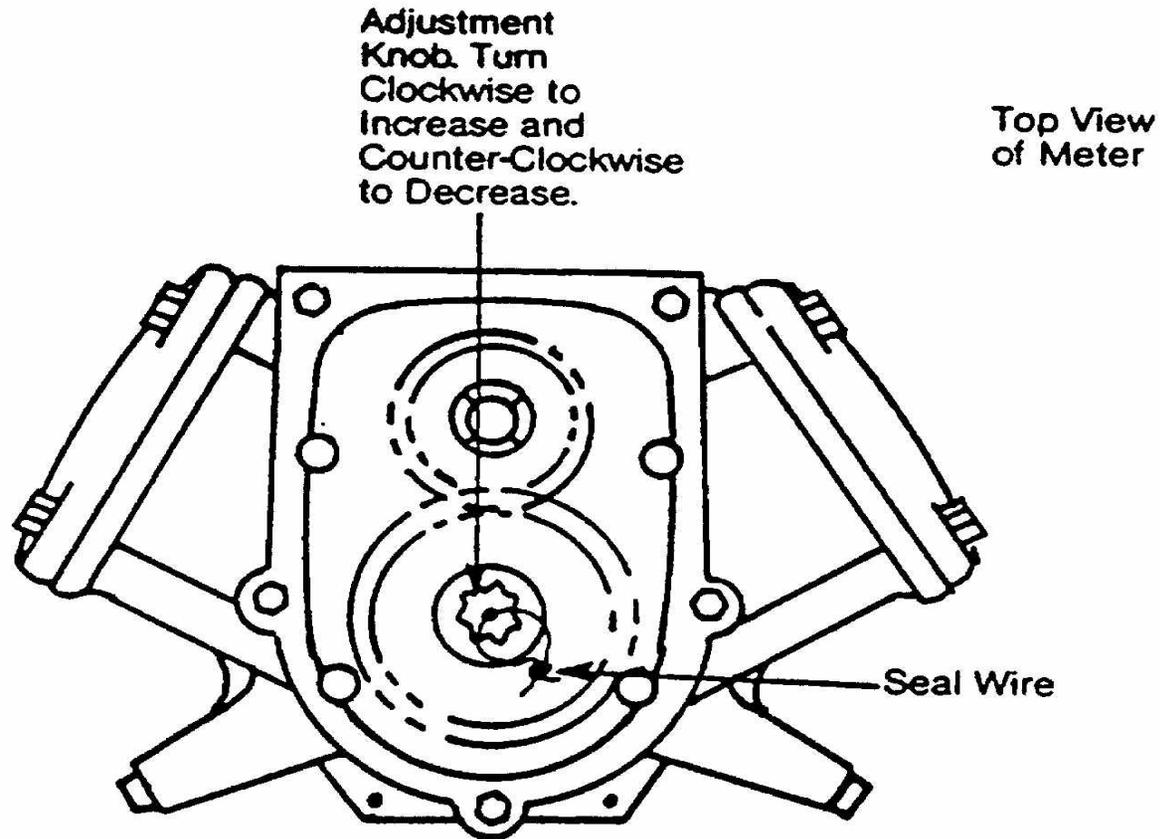


Figure 3-10. Meter Adjusters

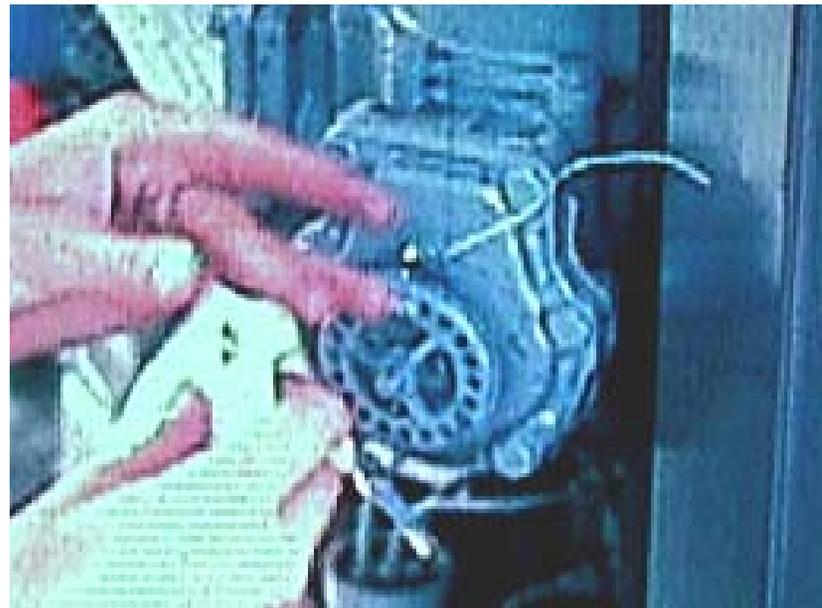
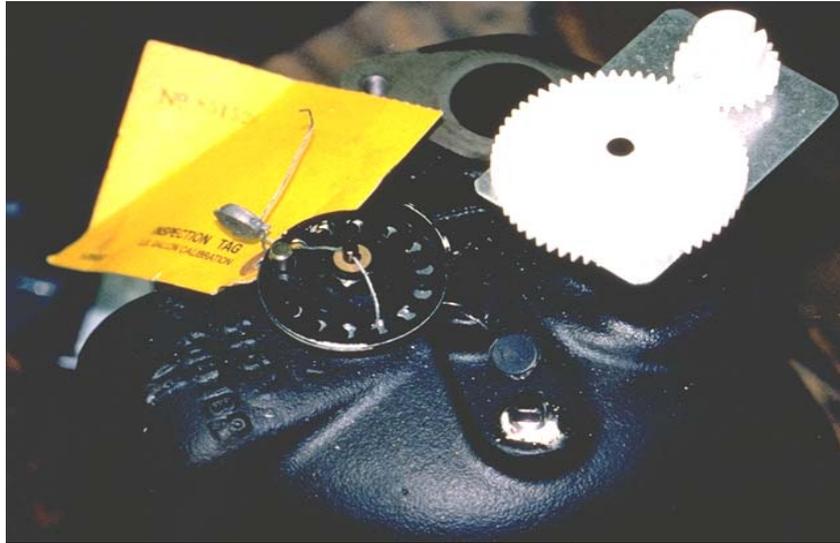


Figure 3-11. Mechanical Computer

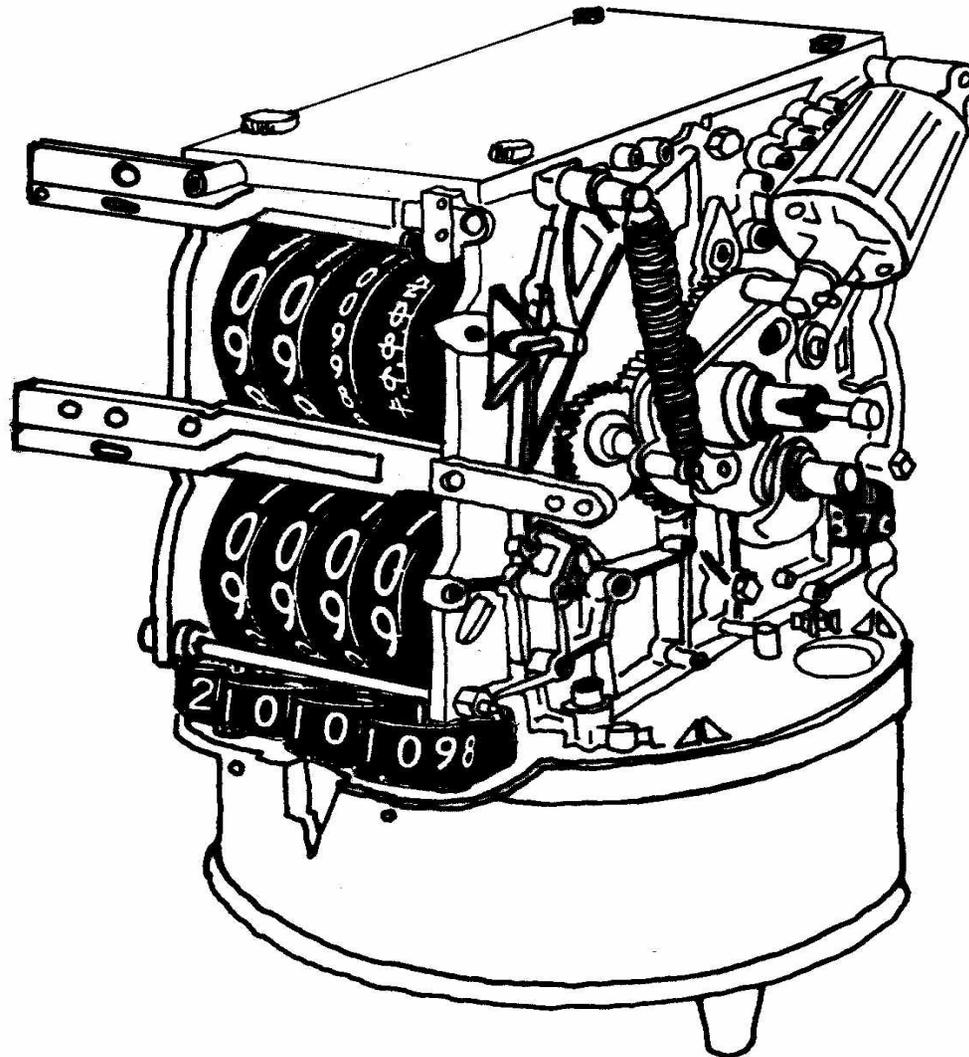


Figure 3-12. Functional Components of an Electronic Fuel Dispensing Computer

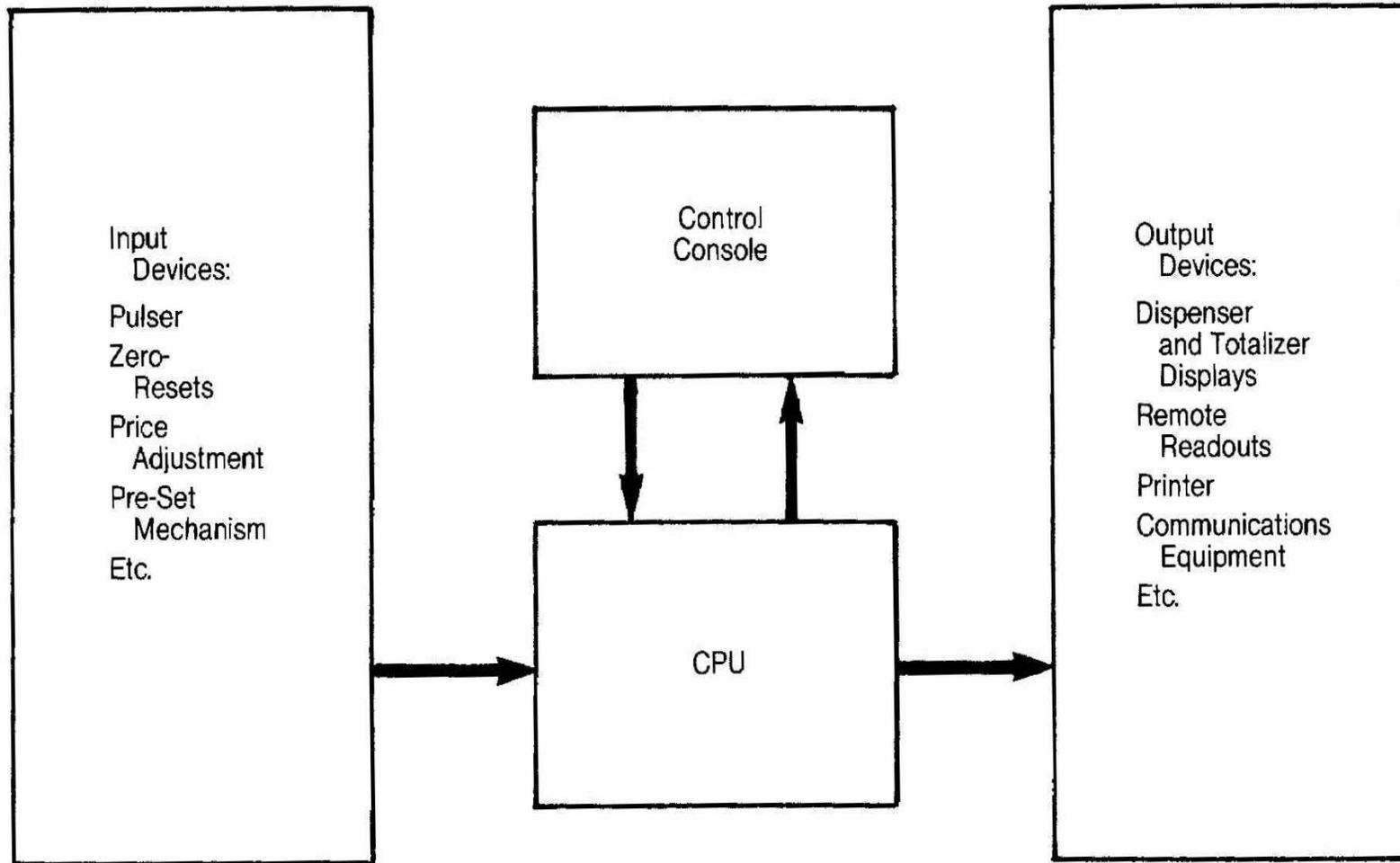


Figure 3-13. Generating Discrete Pulses

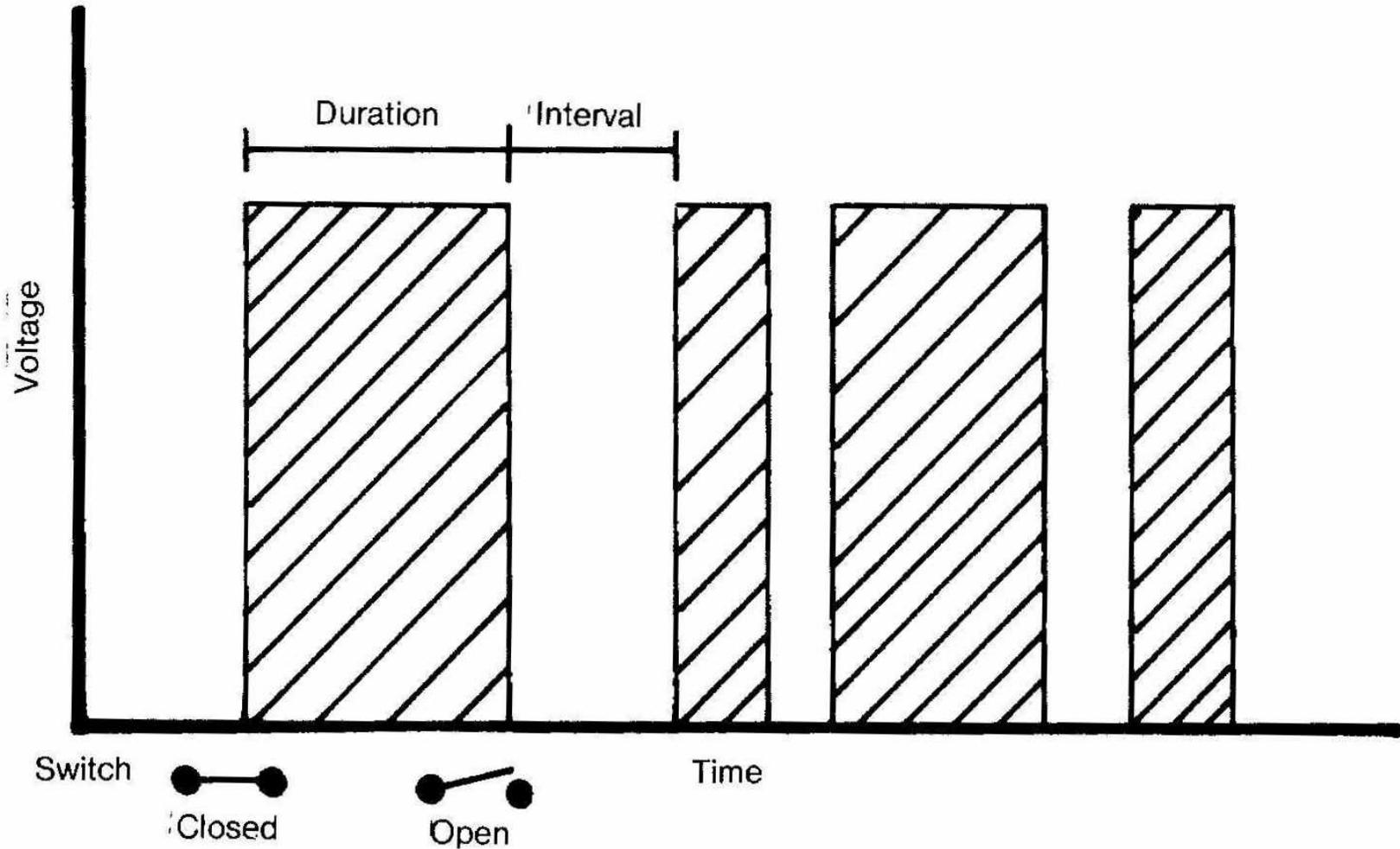


Figure 3-14. Discharge Nozzle

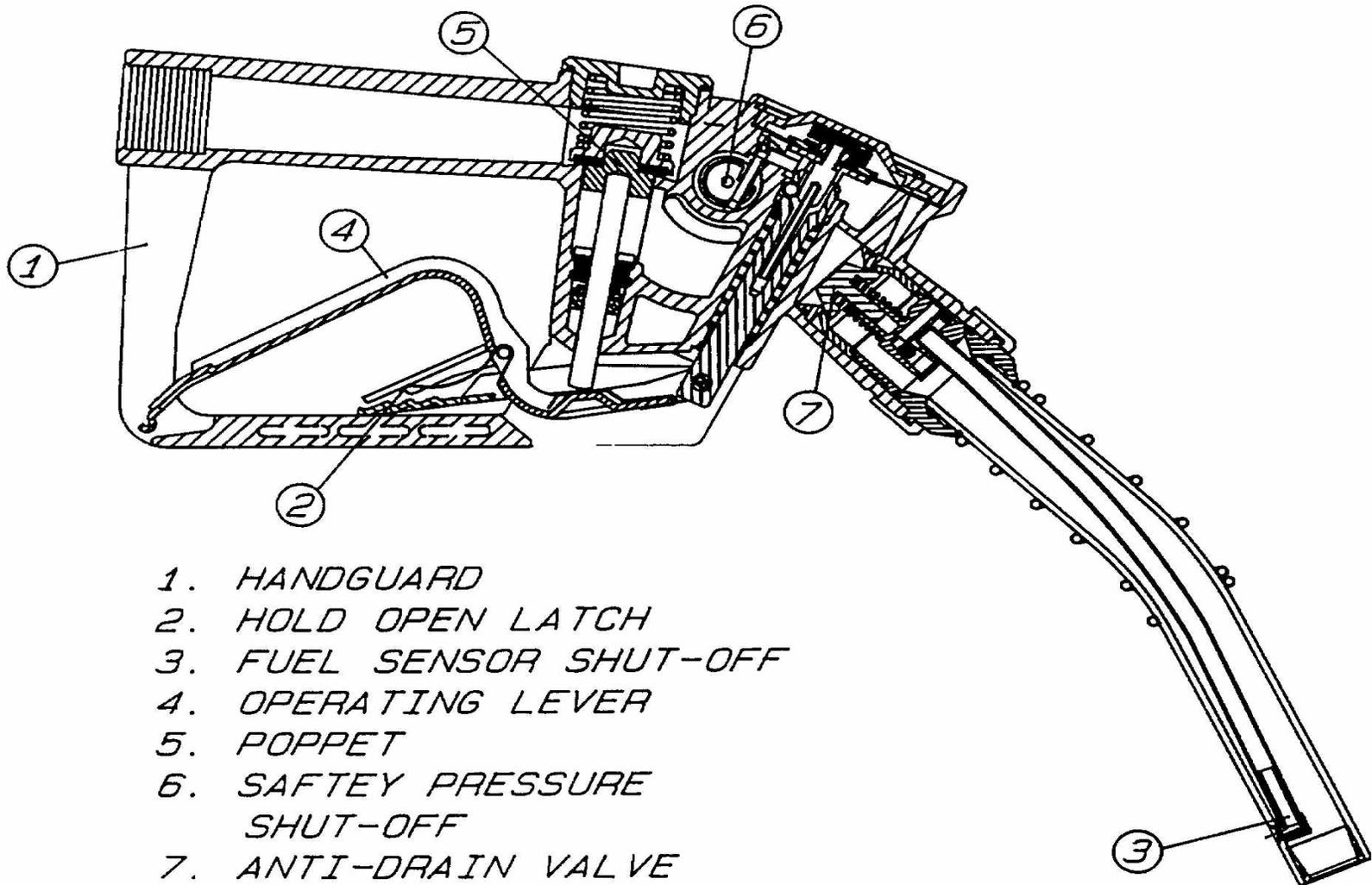
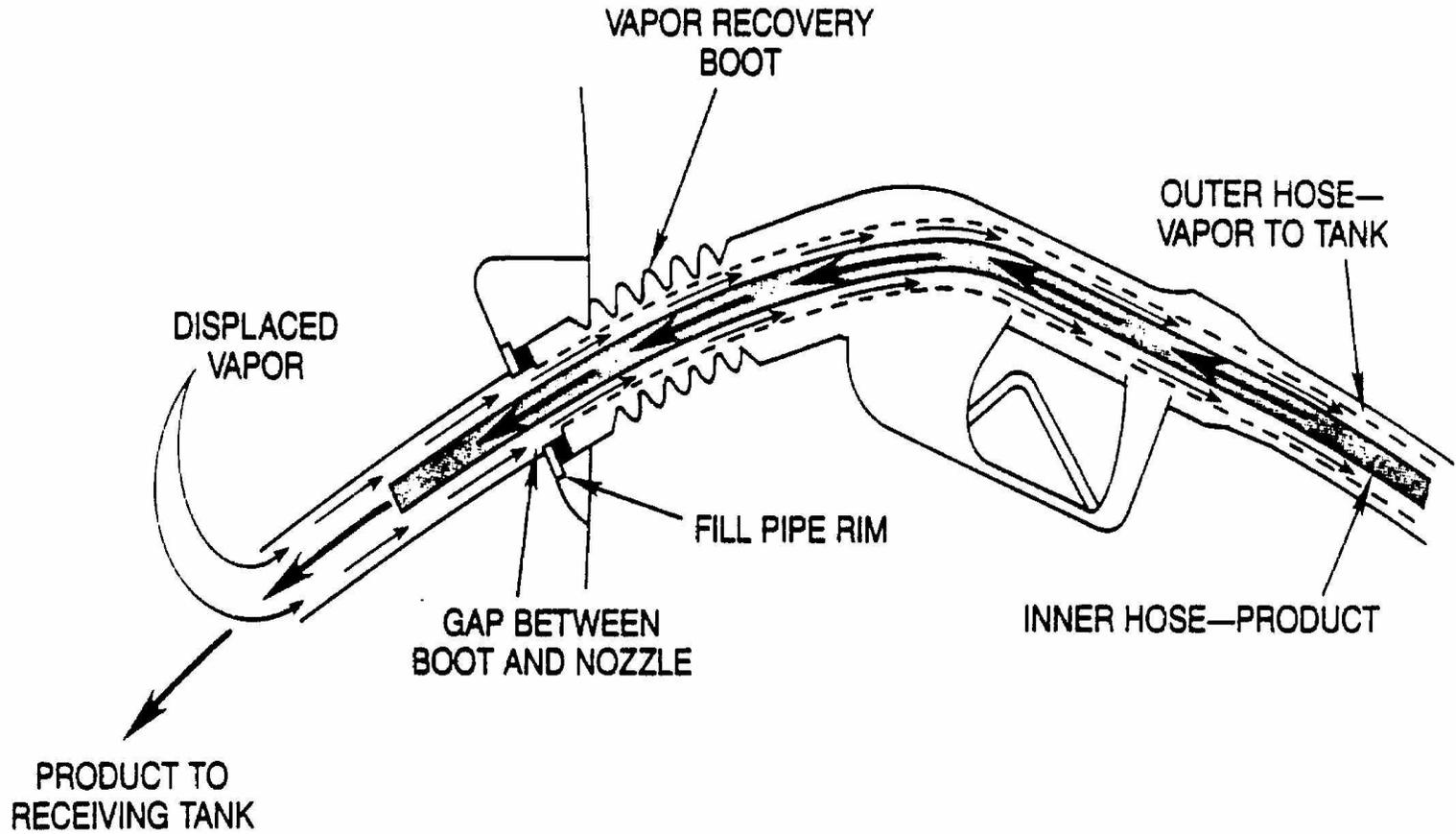


Figure 3-15. Vapor Recovery Nozzle





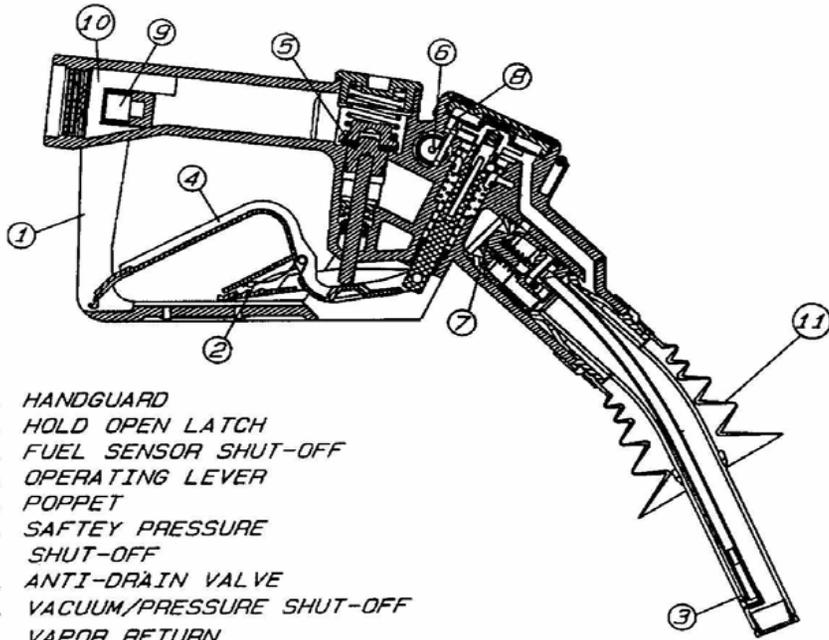
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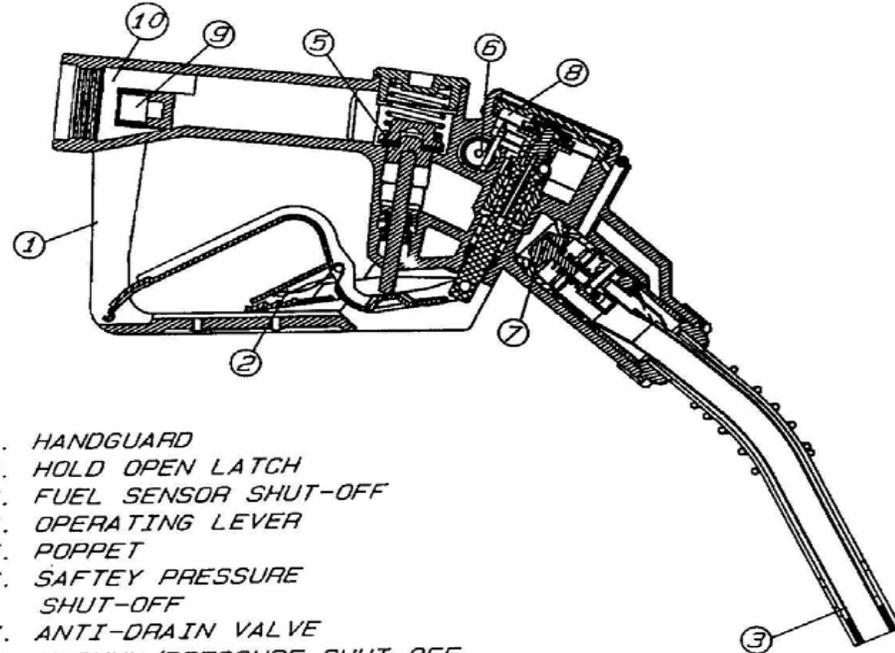


Figure 3-16. Vacuum Assist Vapor Recovery Nozzles



1. HANDGUARD
2. HOLD OPEN LATCH
3. FUEL SENSOR SHUT-OFF
4. OPERATING LEVER
5. POPPET
6. SAFTEY PRESSURE SHUT-OFF
7. ANTI-DRAIN VALVE
8. VACUUM/PRESSURE SHUT-OFF
9. VAPOR RETURN
10. FUEL INLET
11. VAPOR BOOT

VACUUM ASSIST VAPOR RECOVERY NOZZLE
(With Boot)



1. HANDGUARD
2. HOLD OPEN LATCH
3. FUEL SENSOR SHUT-OFF
4. OPERATING LEVER
5. POPPET
6. SAFTEY PRESSURE SHUT-OFF
7. ANTI-DRAIN VALVE
8. VACUUM/PRESSURE SHUT-OFF
9. VAPOR RETURN
10. FUEL INLET

VACUUM ASSIST VAPOR RECOVERY NOZZLE
(Bootless)

Figure 3-17. Vapor Recovery Hose Systems



Figure 3-18. Dispenser Control Lever

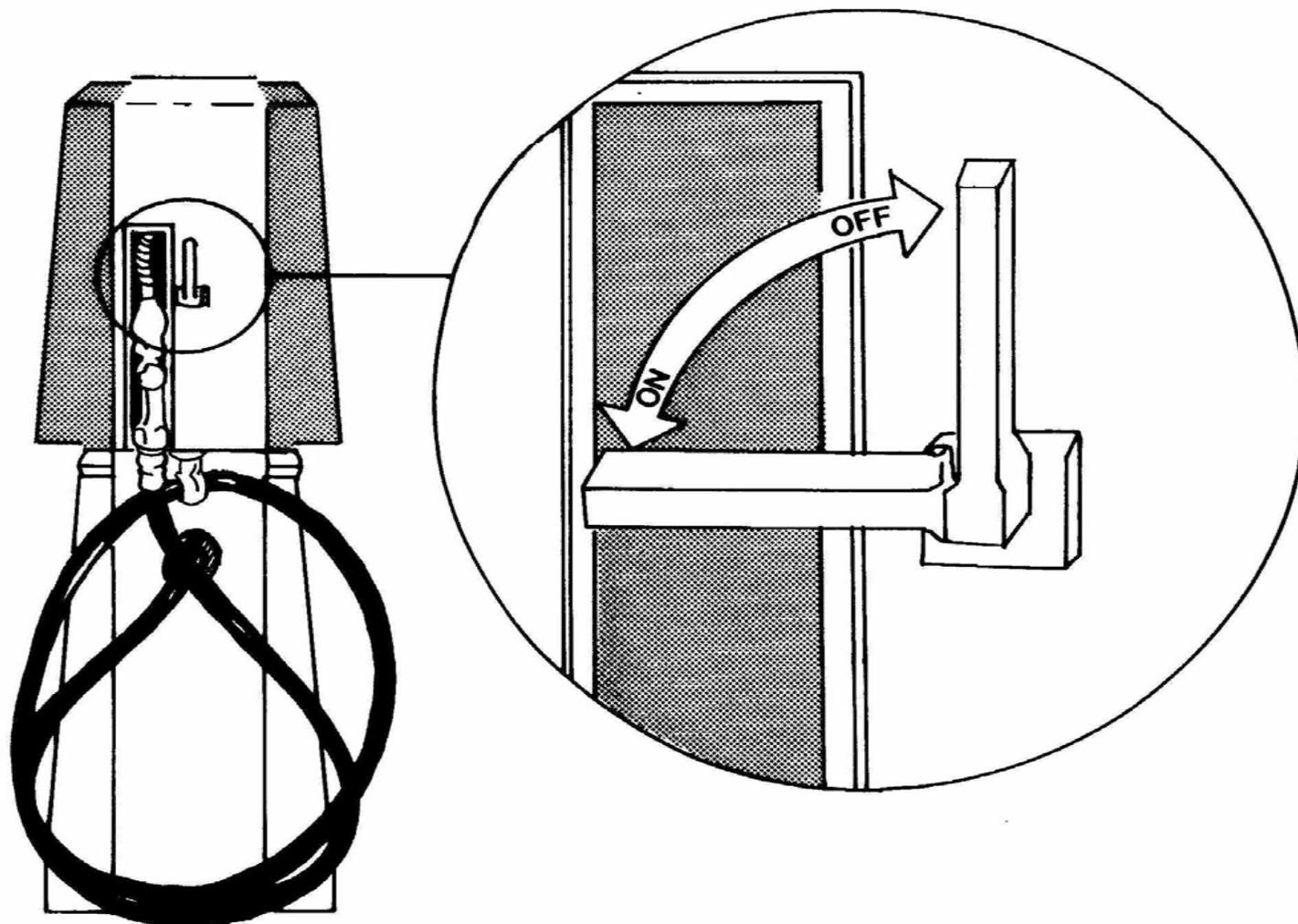


Figure 3-19. Multi-Pricing Dispenser

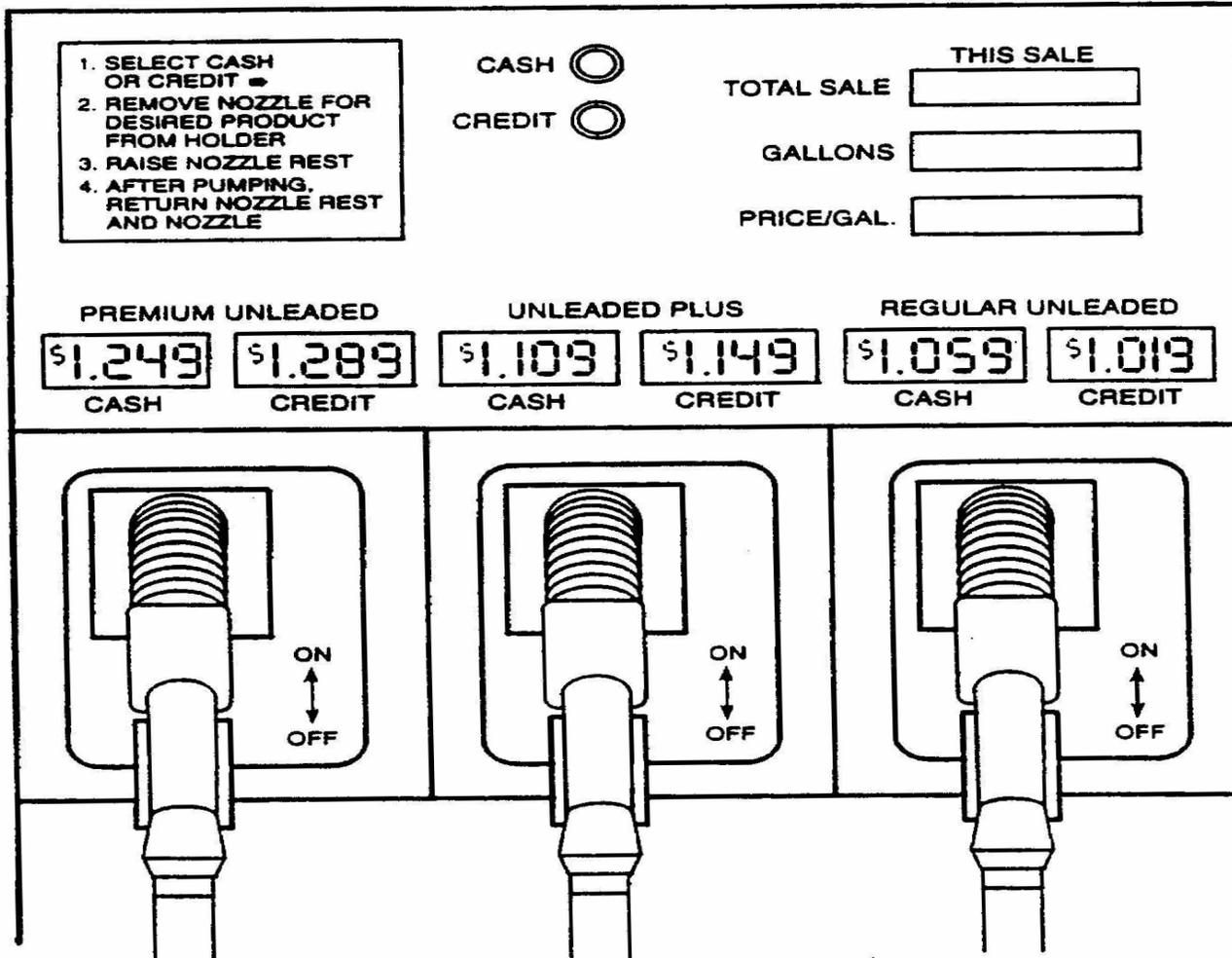


Figure 3-20. Control Console as a Functional Component

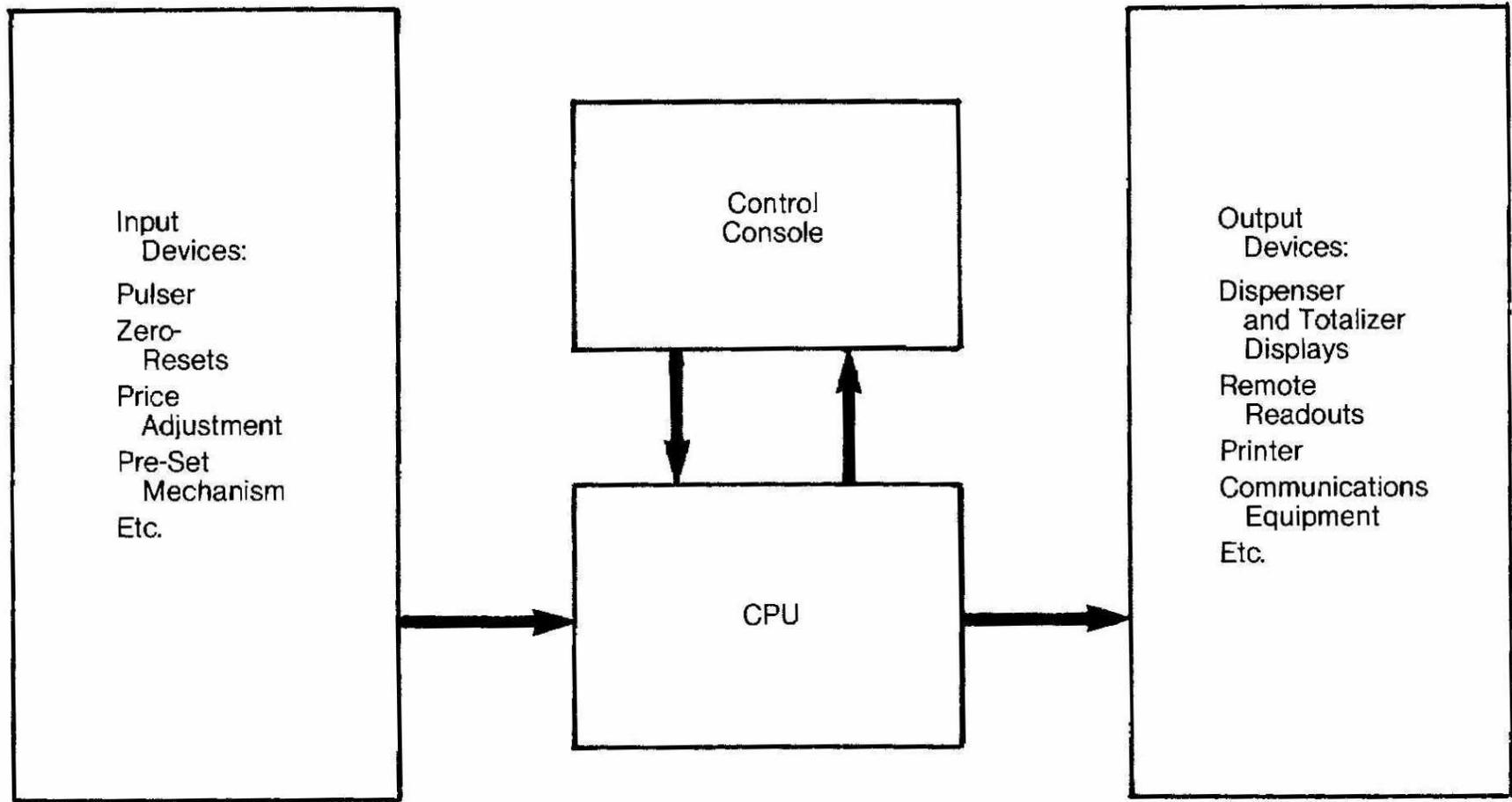


Figure 3-21. Features of a Typical Control Console

